

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 20887WO	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/NL2004/000062	International filing date (day/month/year) 28/01/2004	(Earliest) Priority Date (day/month/year) 24/02/2003	
Applicant DSM IP ASSETS B.V.			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the International application, see Box No. I.

2. Certain claims were found unsearchable (See Box II).

3. Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. _____

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/NL2004/000062

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C07D251/62 B01J19/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C07D B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No. .
✓ X	US 3 637 686 A (RYO KOKUBO ET AL.) 25 January 1972 (1972-01-25) column 4, line 55 - line 64; examples 1,3 ---	1-6,8
✓ A	US 5 514 796 A (DAVID BEST) 7 May 1996 (1996-05-07) cited in the application column 4, line 19 -column 4, line 24 ---	1-6,8
✓ A	WO 01/72722 A (PAGANI GIORGIO ;CASALE... CHEMICALS S A (CH)) 4 October 2001 (2001-10-04) cited in the application column 8, line 6 - line 13 column 9, line 4 - line 8 ---	1-6,8 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *S* document member of the same patent family

Date of the actual completion of the international search

27 April 2004

Date of mailing of the international search report

07/05/2004

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

De Jong, B

INTERNATIONAL SEARCH REPORT

International Application No
PCT/NL2004/000062

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/53587 A (DSM NV ; TJIOE TJAY TJIEN (NL)) 14 September 2000 (2000-09-14) column 9, line 25 - line 32 ----	1-6,8
A	WO 99/46251 A (DSM NV ; TJIOE TJAY TJIEN (NL)) 16 September 1999 (1999-09-16) column 13, line 4 - line 23 -----	1-6,8

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NL2004/000062

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3637686	A	25-01-1972	NONE	
US 5514796	A	07-05-1996	AT 215534 T AU 706404 B2 AU 5473296 A BR 9602673 A CA 2177521 A1 DE 69620298 D1 DE 69620298 T2 EG 22590 A EP 0747366 A2 ES 2175034 T3 JP 9012559 A NO 962339 A NZ 286589 A PL 314673 A1 RU 2161608 C2 ZA 9603945 A	15-04-2002 17-06-1999 19-12-1996 10-11-1998 08-12-1996 08-05-2002 28-11-2002 30-04-2003 11-12-1996 16-11-2002 14-01-1997 09-12-1996 27-04-1998 09-12-1996 10-01-2001 10-12-1996
WO 0172722	A	04-10-2001	EP 1138676 A1 AU 4249201 A CA 2404096 A1 CN 1419550 T WO 0172722 A1 EP 1268451 A1 JP 2003528865 T US 2003149265 A1	04-10-2001 08-10-2001 04-10-2001 21-05-2003 04-10-2001 02-01-2003 30-09-2003 07-08-2003
WO 0053587	A	14-09-2000	EP 1035117 A1 AT 233248 T AU 764140 B2 AU 2948400 A CA 2366585 A1 CN 1349513 T DE 60001495 D1 DE 60001495 T2 EA 3141 B1 EP 1171429 A1 ES 2193053 T3 IO 29842 A JP 2002539116 T WO 0053587 A1 NO 20014338 A PL 351354 A1 US 2002007061 A1	13-09-2000 15-03-2003 14-08-2003 28-09-2000 14-09-2000 15-05-2002 03-04-2003 18-12-2003 27-02-2003 16-01-2002 01-11-2003 18-10-2001 19-11-2002 14-09-2000 30-10-2001 07-04-2003 17-01-2002
WO 9946251	A	16-09-1999	NL 1008571 C2 AU 748368 B2 AU 2861999 A CA 2323431 A1 CN 1292784 T DE 19910909 A1 EG 22546 A EP 1073646 A1 GB 2335191 A , B ID 25646 A JP 2002506064 T WO 9946251 A1	28-07-1999 06-06-2002 27-09-1999 16-09-1999 25-04-2001 23-09-1999 31-03-2003 07-02-2001 15-09-1999 19-10-2000 26-02-2002 16-09-1999

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NL2004/000062

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9946251	A	NO 20004508 A	10-11-2000
		PL 342738 A1	02-07-2001
		TW 526185 B	01-04-2003
		US 6166204 A	26-12-2000